

Title (en)
Controller for injection molding machine

Title (de)
Regeleinrichtung für eine Spritzgiessmaschine

Title (fr)
Contrôleur pour une machine de moulage par injection

Publication
EP 1728616 A1 20061206 (EN)

Application
EP 06252246 A 20060426

Priority
JP 2005162534 A 20050602

Abstract (en)
There is provided the torque limiter for limiting a torque command to be output when pressure feedback control of the pressure holding step is performed. After the start of the pressure holding step, the torque limiter limits output torque of the servomotor for injection for a predetermined time period after the screw starts to move backward. As a result, the output torque in the backward direction of the screw is limited and reduced, whereby the speed of backward movement of the screw is reduced, and decrease of the pressure applied to the resin becomes moderate, thus abrupt drop of the pressure can be avoided.

IPC 8 full level
B29C 45/76 (2006.01); **B29C 45/50** (2006.01)

CPC (source: EP US)
B29C 45/5008 (2013.01 - EP US); **B29C 45/76** (2013.01 - EP US); **B29C 2945/76006** (2013.01 - EP US); **B29C 2945/76076** (2013.01 - EP US); **B29C 2945/76083** (2013.01 - EP US); **B29C 2945/7611** (2013.01 - EP US); **B29C 2945/76187** (2013.01 - EP US); **B29C 2945/76498** (2013.01 - EP US); **B29C 2945/76511** (2013.01 - EP US); **B29C 2945/76595** (2013.01 - EP US); **B29C 2945/76665** (2013.01 - EP US); **B29C 2945/76859** (2013.01 - EP US)

Citation (applicant)
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• [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 545 (M - 902) 6 December 1989 (1989-12-06)
• [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 069 (M - 0932) 8 February 1990 (1990-02-08)

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Designated contracting state (EPC)
DE

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1728616 A1 20061206; CN 1872527 A 20061206; CN 1872527 B 20110518; JP 2006334929 A 20061214; JP 4027380 B2 20071226; US 2006276927 A1 20061207; US 7462025 B2 20081209

DOCDB simple family (application)
EP 06252246 A 20060426; CN 200610088502 A 20060531; JP 2005162534 A 20050602; US 43676506 A 20060519